

+

+

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

09/955514
08/23/01

[illegible][illegible]

Examiner Signature	<i>RLG</i>	Date Considered	5/10/2005
--------------------	------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box → ☐

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	To Be Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	McKinnon et al
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	10263-35430
Sheet	2	of	3

1986 U.S. PTO
09/935514
08/23/01

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	72
ML	1	BEAUREGARD, BRIAN CONRAD, Overview of the Cable Modem, WPI Department of Electrical and Computer Engineering [online] Technologies Course Homepage, March 23, 1996 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.ecs.wpi.edu/courses/ecs535/hwk96/hwk4cd/bcbeau/node1.html>.	
RL	2	WHITE, GERRY, Additions To Cable Spec Enable QoS [online] Article in Network World Fusion, June 19, 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.nwfusion.com/cgi-bin/mailto/x.cgi>	
RL	3	RiverDelta Networks, RiverDelta Networks Executive To Discuss Advanced Quality Of Service Techniques At Cable-Tec Expo 2000 [online] Press Release, May 31, 2000 [Retrieved 2000-12-19]. Retrieved from the Internet at <URL:http://www.riverdelta.com/pr053100.html>.	
RL	4	RiverDelta Networks, RiverDelta Raises \$10 Million To Bring Enhanced Broadband Services To Next-Generation Cable Providers [online] Press Release, December 19, 1999 [Retrieved 2000-12-19]. Retrieved from the Internet at <URL:http://www.riverdelta.com/pr121399.html>.	
RL	5	River Delta Networks, QoS: One HFC Network, Multiple Revenue Streams [online] White Papers, [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.cabledatamnews.com/whitepapers/paper08.html>.	
RL	6	Telecommunications Online, RiverDelta Networks (www.riverdelta.com) – A One-Box MSA Solution [online] Newsletter article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <URL:http://www.telecommagazine.com/products/200007/20000701.html>.	
RL	7	WHITE, GERRY, QoS: Enabling Multiple Services on Cable Networks, [online] Telecommunications Online Newsletter Article, October 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.telecoms.mag.com/issues/200010/tcs/qos_enabling.html>.	
RL	8	International Engineering Consortium, How Cable Modems Work [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic01.html?Nest.x=34&Next.y=20>.	
RL	9	International Engineering Consortium, Cable Data System Features [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic02.html>.	
RL	10	International Engineering Consortium, Cable Data Network Architecture [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic02.html>.	

Examiner Signature	<i>RL</i>	Date Considered	5/10/2005
--------------------	-----------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	To Be Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	McKinnon et al.
		Group Art Unit	
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	10263-35430

JC986 U.S. PTO
10/23/01
08/23/01

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
fu	11	International Engineering Consortium, Cable Data Network Standards [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic04.html?Next.x=40&Next.y=18>.	
ky	12	OSTERGAARD, ROLF V., Cable-Modems.Org: Your Cable Modem Reference Guide, [online] Tutorial 1998-2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.cable-modems.org/tutorial>.	
ker	13	Time Warner Cable, Road Runner Subscription Agreement, January 1999, Pages 1-4.	
acw	14	WHITE, GERRY, Eliminating Open Access Technology Barriers [online] Telecommunications Online Newsletter Article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <URL:http://telecommagazine.com/issues/200007/tcs/elimin.htm>.	
fu	15	GREEN, TIM, DSL Has A Secret [online] Network World Fusion Article, March 2, 1999 [Retrieved on 2000-12-22]. Retrieved from the Internet at <URL:http://cnn.com/TECH/computing/9903/02/dslsecretldg/>.	
ny	16	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, November 15, 1996, Pages 1-8	
bu	17	RiverDelta Networks Inc., QoS: The Key To Maximizing Revenue: A Technical Guide for Cable Operators [online] PDF Document, Publication Date Unknown [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.riverdelta.com>, Pages 1-8.	
bu	18	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, April 1996, Pages 1-3.	
bu	19	ddri Diversified Data Resources, Inc., ACE-SNMP Web Based SNMP Network Management System An Introductory Overview of SNMP, 1999.<URL:http://www.ddri.com> Pages 1-32.	
fu	20	Data-Over-Cable Service Interface Specifications; Radio Frequency Interface Specification; SP-RF1v1.104-00047 Interim Specification; 2000 Cable Television Laboratories, Inc. Pages 229-231; 263; 121-141; 156-217; and 277-283.	

Examiner Signature	<i>Reck</i>	Date Considered	5/10/2008
--------------------	-------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.